



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Young et al

Parent Serial No: 09/873,367

Art Unit: 1631

Filed: 5 June 2001

Examiner: C. L. Smith

Title: CANCER GENE DETERMINATION AND THERAPEUTIC
SCREENING USING SIGNATURE GENE SETS

Docket No: 689290-64

29 April 2003

BOX SEQUENCE

U.S. Patent and Trademark Office

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Arlington, VA 22202

Statement Under 37 CFR 1.821(f) and (g)

Sir:

Applicant hereby asserts that the copies of the Sequence Listing filed herewith and the CRF form (on CD-ROM) filed herewith are all identical and are the same sequences as the sequence listing filed originally with the application so that no new matter has been added.

Respectfully submitted,

Alan J. Grant

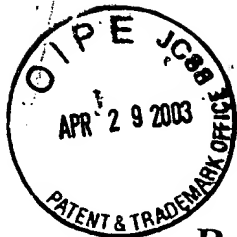
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CARELLA, BYRNE, BAIN, GILFILLAN,
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6 Becker Farm Road

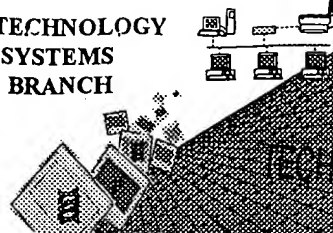
Roseland, NJ 07068

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 8 Carter, Kenneth
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nos.

off

nos.

off

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33811 <210> SEQ ID NO: 320
33812 <211> LENGTH: 6492 6482
33813 <212> TYPE: DNA
33814 <213> ORGANISM: Homo sapiens p.10
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 E--> 54833 aagactttcc ttttttcttt atgcatggaa gcatcaataa attgtttaaa aaccatgtat 5580
 E--> 54835 agtaaattca gcttaaccog tgatcttctt aagttaaagg tacttttggt ttataaaaagc 5640
 E--> 54837 tctagataaa actttctttt ctgatcatga atcaagtatc tgtggtttca tgcccctctc 5700
 E--> 54839 tatacctttc aaagaactoc tgaagcaact taactcatca ttccagcctc tgagtagagg 5760
 E--> 54841 taaaacctat gtgtacttct gtttatgac catattgata tttatgacat gaacacagaa 5820
 E--> 54843 tagtacctta catttgctaa acagacagtt aatatcaaat cctttcaata ttctgggaac 5880
 E--> 54845 ccagggaagt ttttaaaaaat gtcattactt tcaaaggaac agaagtagtt aaccaaacta 5940
 E--> 54847 acaagcaaaa cctgagggtt acctagtgc accaaattat cggtatttta actgaattta 6000
 E--> 54849 ccatttgact aagaatgaac cggatttggt ggtggttttg tttctatgca aactggacac 6060
 E--> 54851 aaattacaac agtaaatttt ttataaagt cttctccctt ctccatgatg tgacttccgg 6120
 E--> 54853 agataaagga ttcaaaagat aaagacaaag tacgtcaga gttgttaacc agaaagtcct 6180
 E--> 54855 ggctgtggtt gcagaaacac tgttggaaga aaagagatga ctaagtcaag tgtctgcctt 6240
 E--> 54857 atcaaaagag caaaaatgcc tctggttttg tgtttgggag aaaaatatct tggacgcact 6300
 E--> 54859 gttttccttg ataaaagtca tcttctctac tgtgtgaaat gaatacttg aattctaatt 6360
 E--> 54861 gttttgtgtg ccaggggcag taatgtccct gctcttctc ccaatcaagg ttgaggagt 6420
 E--> 54863 gggctgggga gaggacttaa ctgacttaag aagtaggaaa acaaaaacct ctctctcag 6480
 E--> 54865 ccttccacct ccaagagagg aggaaaaaca gttgtctgct gctgttaatt cagtttgogt 6540
 E--> 54867 gtattttatg ctcatgcacc aaccataca gagtaaatct tttatcaact atatactggt 6600
 E--> 54869 gtttaataga gaatgattgt cttccgagtt ttttggttcc ttttttaact gtgttaaagt 6660
 E--> 54871 acttgaaatg tattgactgc tgactatatt ttaaaaacaa aatgaaataa tttgagttgt 6720
 E--> 54873 attacagagg ttgacattgt tcagggatgg gacaaagcct tcttcaatcc ttttcatact 6780
 E--> 54875 acttaatgat tttggtgcag gaacctgaga ttttctgatt tatatttcat gatatttcac 6840
 E--> 54877 atttgcctct cacagcatga gcatgaagcc cagtggcacc aaatggctgg gtacaatcaa 6900
 E--> 54879 gtgatatttt gtagcacctc actatctgaa aggccatgag ttttcagatg atttcattga 6960
 E--> 54881 gcttcattgc agcctgaaat tttaaaaaag ttgtgtaata cgccaaccag tcaagttgtg 7020

↑

nos

off

↓

RAW SEQUENCE LISTING

DATE: 03/05/2003

PATENT APPLICATION: US/09/873,367B

TIME: 12:07:53

Input Set : N:\EBONY'S\EP.txt

Output Set : N:\CRF4\03052003\I873367B.raw

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E--> 54883 ttttggccag agatttagat atgtccaatt tcttggtca tttcattgtg ctctatgggt 7080
E--> 54885 acgtataaaa agcaagaatt ctgtttccta ggcaaacatt gcaactcagg gctaaagtca 7140
E--> 54887 tccagtgaag ctttttagagc cagaagtaac tttgtcccag tctacaatg tgaaaagagt 7200
E--> 54889 gaatagttgc ctcttttttag ccattttcat ggctggtaca tattcgtacg cattaactttt 7260
E--> 54891 cagaatcaat acgcactttc agatattctt atttttattc tcttaagtct ttattaactt 7320
E--> 54893 tggagagaga aatgatgcat ctttttattt taaatgaagt agatcaacat ggtggaacaa 7380
E--> 54895 aatgataaag aacagaaaac atttcaatat attactaata actttttcca atataaatcc 7440
E--> 54897 taaaattcct ataacatagt attttacagt tttatgaagc tttctattgt gacttttatg 7500
E--> 54899 gaattaagag atgaagaaga tgagatattt tagcatttat atttttcaaa attatatgta 7560
E--> 54901 tacttaaaaa taaagtaact ttatgc 7586

63314 <210> SEQ ID NO: 790
63315 <211> LENGTH: 3327 3319
63316 <212> TYPE: DNA
63317 <213> ORGANISM: Homo sapiens
63319 <400> SEQUENCE: 790

63320 cacacctttc caaggacccc caaactctgc tccgtgcacg tcaaagtctc ctttcccttg 60
63322 tgtccaaccc cctacccttc tccctaacac ccctcttctc aacaagactc agcctctccc 120
63324 cgagggtggg gagcatcctt gaggtttccc acccttaact gctgtgtccc cggatggagc 180
63326 cagagaaatg tgggtggggg gccggggcag agtttcaaca ttgccccca gaaggaggag 240
63328 ccagagatgg ggtctgtcca ggaaaacagg atgccggagc ccaggagtgc tcagcctagc 300
63330 agttgcctgg cctccagatg cctcccaggg gagcagatcc tagcatgggc cccagggttg 360
63332 aggaagggcc tgggaaccaga attgtctgga accctgatct gtaccaactt tagggtcacc 420
63334 ttccagccct gtggatggca gtggaatcag gacactccct tgaacagtga atacgatttt 480
63336 gccctggtca acattggacg attagaggct gtgagcggct tgtcccagat ccagctctc 540
E--> 63337 ccctgcataa atttatccct gaggagattc tgattcatgg ccgagacttc 600 590
E--> 63339 cggctgctca gagttggttt tgaggctgga ggcctagagc ctcaggcttt tcaggtgacc 660
E--> 63341 atggccattg tccaagccag agctcagagc aatcaagccc aacagtattc ggggataacc 720
E--> 63343 ctgagcaagg ctggccaggg ttctggctcc agaaaaccac caattcctct catggagaca 780
E--> 63345 gcggaagact gggagactga gcggaagaag caggcagcca gaggtgagag ggtcagcacg 840
E--> 63347 gtcaacgaga ggttcgacgt agccaccagc ctcccccggt acttctgggt ccctaaccga 900
E--> 63349 attctggaca gtgaggtcag gagagcattt ggccactttc atcaggggcg tggaccggtc 960
E--> 63351 agtgtgatgg ttagggtaat ggctgtggat tagagggtoa tgtggggcag ggacatcgtg 1020
E--> 63353 gaggaggagaa cctctgtgag gtcagtgtgg gggcaagggt agcgtggagc taggcatttc 1080
E--> 63355 tcccacaatg accctcttct gcccatgtg aagcgttgtt cctggcatca cctgggggc 1140
E--> 63357 agtgccttc tccgctgtgg aggcctctat acagccagtg accctaaca ggaggatata 1200
E--> 63359 agagcagtg agttgatgca ccaggctggg cattcagatg ttgtcctggt agacactatg 1260
E--> 63361 gatgagctgc ccagccttgc agatgtccaa cttgccacc tgaggctgag ggcctctgc 1320
E--> 63363 ctgcctgatt catctgtagc tgaggataaa tgctttcagc cctggaagga acacgatggc 1380
E--> 63365 tggactatgt cagggtctgt cttcgaaagg ccagtgcacat ttcagtatta gtgacatcca 1440
E--> 63367 gggttcgttc tgaataactt caaggctccg gtgtttctcc tcttcttga ttgtgtctgg 1500
E--> 63369 cagctcctcc agcagtttcc agctgatttt gaattctctg agtttttctt tcttgccttt 1560
E--> 63371 catgacagtg tcagggttcc tgacaccctt accttctga gaaatacccc ctgggagcgc 1620
E--> 63373 ggaaagcaga gcggacaggt cagtgcattc tatttttgac tctgttttt ttttccattg 1680
E--> 63375 agatgtactc tctgaagttt ggtcttgatt tgttttatga gaagtgaggt ctgtgagtg 1740
E--> 63377 ggagggggag atttattctc attttcagga cgagactttt gccctacatc tttcctagaa 1800
E--> 63379 taagaggtga gaatctcatg atttgcctct agatgtggga ggattgtgtg taaccatcct 1860
E--> 63381 ttttcttgc tctctgtcc agttaaactc ctatacaca gtctacacc caggatactc 1920
E--> 63383 cagcctccag ctgggaactc ttttaacctg cagctgtctg tctgggactg ggatttacgt 1980
E--> 63385 tatagcaatg cacagatact acaattccag aatcctggct atgaccaga acactgtcca 2040

```

nos.

off

pg 13-14

nos.

off

RAW SEQUENCE LISTING

DATE: 03/05/2003

PATENT APPLICATION: US/09/873,367B

TIME: 12:07:54

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\03052003\I873367B.raw

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E--> 63387 gattcctggc tccctagacc acagccaagc ttcattggtc ctggaccccc cagttttgtg 2100
E--> 63389 tggctcttct cttagaggagc attgaccccc ctgaatcagc tctgtccttg gcgggacagt 2160
E--> 63391 ccttccctgc tggcagtctc ttctogttgg ctccctcgac ctgctatctc ctctgaaagc 2220
E--> 63393 tggctgacca ggaatggggt ctccctcac attggggagc ttgcccttta cctccagggc 2280
E--> 63395 tgctgctgcc tgggtatctg ggaccccaga tcaggctctg gagacgctgc tacctgaggg 2340
E--> 63397 gaaggcctga ggtccaggta agaagggaaa atagactggg agtgggacaa gggacttgac 2400
E--> 63399 tctgctgaac cagatgaaca ggagctggaa aggcaaggag ctgaagcctc tgggagtctg 2460
E--> 63401 ggaagtgaag ttctactcct cttggcatca aacaaggttt gggagtgtag gaggtgcggg 2520
E--> 63403 aaagtgcctg tggcttagat taagtggaa ttagggcata gctgaaaggg gaaacagaat 2580
E--> 63405 taaagacacc agaagtagca gagaagcagg gggccagagc tacaacagta ttcttctctg 2640
E--> 63407 ttctctcttg cctcctcccc agatgggcct ctcatctccc acaatctctg gcctccagga 2700
E--> 63409 tgagctatcc catcttcagg agttattacg gaaaggacac caagaatata tcttgaggat 2760
E--> 63411 cactccaaga aaagagatcc acataccatt ctcaatccca ctgaaattgc tggcattctc 2820
E--> 63413 aaaggcaggg cagaggggga tctggggtag agggagggtt ctgtctaata tttttttttt 2880
E--> 63415 cttttgtatc tgcacttgca gcctcagctt tcatacttca gcccttaagt tcaactaagaa 2940
E--> 63417 ggtctgagtt tctgctgcag atagtgggtg taactgctcc aactcttgct ttgcttagtt 3000
E--> 63419 tctacaaata tttttgcttc ttgtcatttg aaggattaag aaacaaaaac aatccagaaa 3060
E--> 63421 ttgatcggtt tttttaggcc aatcccatcc ctcttgata accagatgtt aaatcatgag 3120
E--> 63423 atcagagatg ctgttcacat gtcccaacaa gatggcctag aaatcgcat ctcacctcgc 3180
E--> 63425 cttgctgctg ctttaattcc aagttctatt tcttccctta tagttttcta tgggaatgag 3240
E--> 63427 gcggatacag gaaacaccct atctcctctg tattttttgta gtggaatttc tatttaaggg 3300
E--> 63429 gctcattaata gcatagtatt tatacac 3327
64203 <210> SEQ ID NO: 810
64204 <211> LENGTH: 2602 2592
64205 <212> TYPE: DNA
64206 <213> ORGANISM: Homo sapiens
64208 <400> SEQUENCE: 810
64209 gccgtgtcgc caccatggct ccgcaccgcc ccgcgccgcg gctgctttgc gcgctgtccc 60
64211 tggcgtgtg cgcgctgtcg ctgcccgctc gcgcggccac tgcgtcgcgg gggcggtccc 120
E--> 64212 gccccagggg cggttgccc aggcgcggcc caacagcatg gtggtggaac 180 170
E--> 64214 accccgagtt cctcaaggca gggaaggagc ctggcctgca gatctggcgt gtggagaagt 240
E--> 64216 tcgatctggt gcccggtccc accaaccttt atggagactt cttcacgggc gacgcctacg 300
E--> 64218 tcatcctgaa gacagtgcag ctgaggaaag gaaatctgca gtatgacctc cactactggc 360
E--> 64220 tgggcaaatga gtgcagccag gatgagagcg gggcggccgc catctttacc gtgcagctgg 420
E--> 64222 atgactacct gaacggcccg gccgtgcagc accgtgaggt ccagggcttc gagtcggcca 480
E--> 64224 ccttccctagg ctacttcaag tctggcctga agtacaagaa aggaggtgtg gcatcaggat 540
E--> 64226 tcaagcacgt ggtaccacac gaggtggtgg tgcagagact cttccaggtc aaagggcggc 600
E--> 64228 gtgtggtccg tgccaccgag gtacctgtgt cctgggagag cttcaacaat ggcgactgct 660
E--> 64230 tcatcctgga cctgggcaac aacatccacc agtgggtgtg ttccaacagc aatcggtatg 720
E--> 64232 aaagactgaa ggccacacag gtgtccaagg gcatccggga caacgagcgg agtggccggg 780
E--> 64234 ccgagtgca cgtgtctgag gagggcactg agcccagggc gatgctccag gtgctgggcc 840
E--> 64236 ccaagccggc tctgcctgca ggtaccgagg acaccgccaa ggaggatgcg gccaaaccga 900
E--> 64238 agctggccaa gctctacaag gtctccaatg gtgcagggac catgtccgtc tccctcgtgg 960
E--> 64240 ctgatgagaa ccccttcgcc caggggggcc tgaagtca ga gactgcttc atcctggacc 1020
E--> 64242 acggcaaaga tgggaaaatc tttgtctgga aaggcaagca ggcaaacacg gaggagagga 1080
E--> 64244 aggtgcctc caaaacagcc tctgaattca tcaccaagat ggactacccc aagcagactc 1140
E--> 64246 aggtctcggt ccttccctgag ggcggtgaga ccccaactgt caagcagttc ttcaagaact 1200
E--> 64248 ggcgggaccc agaccagaca gatggcctgg gcttgtccta cctttccagc catatcgcca 1260
E--> 64250 acgtggagcg ggtgccttcc gacgcgcgca cctgcacac ctccactgcc atggccgccc 1320

```

nos.

off

14-15

nos.

off

RAW SEQUENCE LISTING

DATE: 03/05/2003

PATENT APPLICATION: US/09/873,367B

TIME: 12:07:54

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\03052003\I873367B.raw

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E--> 64252 agcacggcat ggatgacgat ggcacaggcc agaaacagat ctggagaatc gaaggttcca 1380
E--> 64254 acaaggtgcc cgtggaccct gccacatatg gacagttcta tggaggcgac agctacatca 1440
E--> 64256 ttctgtacaa ctaccgccat ggtggccgccc aggggcagat aatctataac tggcaggggtg 1500
E--> 64258 cccagctctac ccaggatgag gtcgctgcac ctgccatcct gactgctcag ctggatgagg 1560
E--> 64260 agctgggagg taccctgtgc cagagccgtg tggccaagg caaggagccc gccacacctca 1620
E--> 64262 tgagcctgtt tgggtgggaag cccatgatca tctacaagg cgccacctcc cgcgaggggcg 1680
E--> 64264 ggcagacagc ccctgccagc acccgccctct tccaggtccg cgccaacagc gctggagcca 1740
E--> 64266 cccgggctgt tgaggtattg cctaaggctg gtgactgaa ctccaacgat gcctttgttc 1800
E--> 64268 tgaaaacccc ctcagccgcc tacctgtggg tgggtacagg agccagcgag gcagagaaga 1860
E--> 64270 cgggggcccc ggagctgtc aggggtgtgc gggcccaacc tgtgcagggtg gcagaaggca 1920
E--> 64272 gcgagccaga tggcttcttg gaggccctgg gcgggaaggc tgcctaccgc acatccccac 1980
E--> 64274 ggctgaagga caagaagat gatgccatc ctctcgcct ctttgcctgc tccaacaaga 2040
E--> 64276 ttggacgttt tgtgatcgaa gaggttcctg gtgagctcat gcaggaagac ctggcaacgg 2100
E--> 64278 atgacgtcat gcttctggac acctgggacc aggtctttgt ctgggttgga aaggattctc 2160
E--> 64280 aagaagaaga aaagacagaa gccttgactt ctgctaagcg gtacatcgag acggaccag 2220
E--> 64282 ccaatcggga tcggcggagc cccatcaccc tggatgaagca aggtcttgag cctccctcct 2280
E--> 64284 ttgtgggctg gttccttggc tgggatgatg attactgtc tgtggacccc ttggacaggg 2340
E--> 64286 ccatggctga gctggctgcc tgaggagggg cagggccac ccatgtcacc ggtcagtgc 2400
E--> 64288 ttttggaaact gtccttcct caaagaggcc ttagagcgag cagagcagct ctgctatgag 2460
E--> 64290 tgtgtgtgtg tgtgtgtgt gtttctttt tttttttta cagtatccaa aaatagccct 2520
E--> 64292 gcaaaaattc agagtccttg caaaattgtc taaaatgtca gtgtttggga aattaaatcc 2580
E--> 64294 aataaaaaaca ttttgaagtg tg 2602

```

nos.

off

70729 <210> SEQ ID NO: 967

70730 <211> LENGTH: 271

70731 <212> TYPE: DNA

70732 <213> ORGANISM: Homo sapiens

70734 <220> FEATURE:

70735 <221> NAME/KEY: misc_feature

70736 <222> LOCATION: (1)...(271)

70737 <223> OTHER INFORMATION: n=a,t,g or c

E--> 70740 <400> SEQUENCE: 967

70741 gateggtttc gccatcatga cgcagtgtct cccagtggcc ctgttctccc tgggtgggctt 60

W- 70742 caccagatg accatntggg ccaagggcaa gcaccgcagc tacctgaagg agttccggga 120

70743 ctaccgcgcc ctgcgcatgc ccatnatncc ctctctgctc tgagcgctca cccctgctga 180

70744 ggctcagccc ctnaaccgg tggcattctg ggggaggagt ggggcccaca gntctccagc 240

70745 acccgaata aagcccgnt gcccagtcg g 271

see p. 16 for explanation of error



09/893,367B

16

<210> 967
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n=a,t,g or c

400> 967

<400>



insert
opening
bracket

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

fyi Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.



RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/873,367B

DATE: 03/05/2003
TIME: 12:07:56

Input Set : N:\EBONY'S\EP.txt
Output Set: N:\CRF4\03052003\I873367B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 10



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/873,367B

DATE: 03/05/2003

TIME: 12:07:56

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\03052003\I873367B.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
M:341 Repeated in SeqNo=1
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300
M:341 Repeated in SeqNo=2
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180
M:341 Repeated in SeqNo=3
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:300
M:341 Repeated in SeqNo=6
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:360
M:341 Repeated in SeqNo=7
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:480
M:341 Repeated in SeqNo=8
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:120
M:341 Repeated in SeqNo=9
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:480
M:341 Repeated in SeqNo=12
L:542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:540
L:594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:480
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:120
L:4327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:1440
L:4826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0
M:341 Repeated in SeqNo=90
L:5793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:300
L:8017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:1080
M:341 Repeated in SeqNo=114
L:8108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:180
L:8146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:180
L:8165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
M:341 Repeated in SeqNo=118
L:8190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0
M:341 Repeated in SeqNo=119
L:8223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:180
M:341 Repeated in SeqNo=120
L:8261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
M:341 Repeated in SeqNo=122
L:8307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0
M:341 Repeated in SeqNo=124
L:8344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:300
M:341 Repeated in SeqNo=125
L:8363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:60
M:341 Repeated in SeqNo=126
L:11260 M:254 E: No. of Bases conflict, LENGTH:Input:1440 Counted:1430 SEQ:159 ✓
M:254 Repeated in SeqNo=159
L:11296 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2520 Found:2510 SEQ:159 ✓
L:12744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:0
L:12785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:360



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/873,367B

DATE: 03/05/2003

TIME: 12:07:56

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\03052003\I873367B.raw

L:12860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:360
M:341 Repeated in SeqNo=179
L:12883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180 after pos.:180
M:341 Repeated in SeqNo=180
L:12922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:420
M:341 Repeated in SeqNo=181
L:12949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:240
L:14893 M:254 E: No. of Bases conflict, LENGTH:Input:9180 Counted:9170 SEQ:230
M:254 Repeated in SeqNo=230
L:15081 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14770 Found:14760 SEQ:230
L:33234 M:254 E: No. of Bases conflict, LENGTH:Input:240 Counted:230 SEQ:313
M:254 Repeated in SeqNo=313
L:33260 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1008 Found:998 SEQ:313
L:34022 M:254 E: No. of Bases conflict, LENGTH:Input:6240 Counted:6230 SEQ:320
M:254 Repeated in SeqNo=320
L:34032 M:252 E: No. of Seq. differs, <211> LENGTH:Input:6492 Found:6482 SEQ:320
L:54723 M:254 E: No. of Bases conflict, LENGTH:Input:2280 Counted:2270 SEQ:647
M:254 Repeated in SeqNo=647
L:54901 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7586 Found:7576 SEQ:647
L:63337 M:254 E: No. of Bases conflict, LENGTH:Input:600 Counted:590 SEQ:790
M:254 Repeated in SeqNo=790
L:63429 M:252 E: No. of Seq. differs, <211> LENGTH:Input:3327 Found:3317 SEQ:790
L:64212 M:254 E: No. of Bases conflict, LENGTH:Input:180 Counted:170 SEQ:810
M:254 Repeated in SeqNo=810
L:64294 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2602 Found:2592 SEQ:810
L:70740 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:967 differs:966



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER
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15

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). A computer readable form (CRF) of the sequence listing was submitted. However, the CRF could not be processed by the Scientific and Technical Information Center (STIC) for the reason(s) set forth on the attached Raw Sequence Listing Error Report.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached Raw Sequence Listing Error Report with the reply.


Papers related to this application may be submitted to Technical Center 1600 by facsimile transmission. Papers should be faxed to Technical Center 1600 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CM1 Fax Center number is either (703) 308-4242 or (703) 305-3014.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carolyn Smith, whose telephone number is (703) 308-6043. The examiner can normally be reached Monday through Friday from 8 A.M. to 4:30 P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Woodward, can be reached on (703) 308-4028.

Any inquiry of a general nature or relating to the status of this application should be directed to Legal Instruments Examiner Tina Plunkett whose telephone number is (703) 305-3524 or to the Technical Center receptionist whose telephone number is (703) 308-0196.

March 21, 2003

Attachment: Raw Sequence Listing Error Report (20 pages)


ARDIN H. MARSCHEL
PRIMARY EXAMINER

Please forward to Group Art Unit 1631

Amended Compact Discs

EXAMINER NOTE: THIS PAPER IS AN INTERNAL WORKSHEET ONLY. DO NOT ENCLOSE WITH ANY COMMUNICATION TO THE APPLICANT. ITS PURPOSE IS ONLY THAT OF AN AID IN HIGHLIGHTING A PARTICULAR PROBLEM IN A COMPACT DISC.

THE ATTACHED CD (COPY 1) HAS BEEN REVIEWED BY OIPE FOR COMPLIANCE WITH 37 CFR 1.52(E). ***Please match this CD with the application listed below.***

Date:

Serial No./Control No.

Reviewed By:

5/10/03
09 84336P
Hullman

Phone:

305 3021P

☒

The compact discs are readable and acceptable.

☐

Copy 1 and Copy 2 of the compact discs are not the same.

☐

The compact discs are unreadable.

☐

The files on the compact discs are not in ASCII.

☐

The compact discs contain at least one virus.

☐

Other
